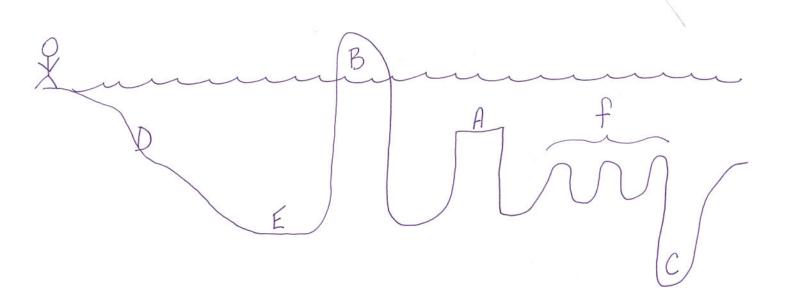
Marine Science Midterm Review

1. Another name for a water pressure illness is <u>Barotrauma</u> .
2. Who is Jacques Cousteau and what did he invent? Why did his invention fail? 15 to discover life in ocean w/a camera.
15 SCUBA gear called Aqualung-failed b/c he used pure of
3. What is the bends? Gas bubbles in fissues caused by going up to guickly (Bend over in pain)
4. What is Nitrogen Narcosis? Going too deep-below 30 meters Divers appears drunk Helium added to fank b/c going too deep
5. A recreational diver breathes a MIXTURE of gases.
6. How do you relieve pressure that can build up in a divers ear? hold nost € blow
7. What is an air embolism? bubble of CO ₂ stays inside tissues.
8. What does SCUBA stand for? Self contained unterwater breathing apparatus.
9. What and where is the gulf stream? Who discovered it? River like current going up coast of US Fover to Europe. Ben Franklin discovered it as post master general.

10. Define the following:
a. Gyre-CIrcular ocean current
b. riptide - CUrrent that rips part of a sandbar out to oced to get out swim parallel to shore. * Fast narrow current going large current that moves d. coriolis effect - * Spinning of earth which causes winds * Surface* 11. Name 3 events that can cause a tsunami. **O Earth quakes** **Q Volcanic action** **Discreption** **Discreption** **Discreption** **Discreption** **Discreption** **Discreption** **Discreption** **Discreption** **Quakes** **Quakes** **Quakes** **Quakes** **Quakes** **Q Volcanic action** **Discreption** **Quakes** **Quakes**
12. Charles Darwin is important in Marine Biology because he discovered
many different marine organisms. 13. The deepest trench is called the <u>Marianis</u> trench and is located in the <u>Pacific</u> Ocean.
14. Name 3 things that can cause ocean currents. (Remember the food coloring lab) *Temperature *Salinity *Coriolis effect
15. A warm ocean current flows <u>AWAY</u> from the equator.
16. A cold ocean current flows from the poles.
17. The ocean currents in the Northern Hemisphere flow
18. The ocean currents in the Southern Hemisphere flow <u>COUNTER CLOCKWISE</u> .

19. D	aw the following topographical features of the ocean bottom:
a.	guyot
b.	island
C.	trench
d.	continental slope
e.	abyssal plain
f.	seamount



20. What happens to temperature as you get deeper in the ocean?

It decreases or gets colder

21. Why was it so hard to find the Titanic?

Because the ocean is so vast (Think-needle in a haystack)

22. What is a submersible? Name the submersible that helped located the Titanic.

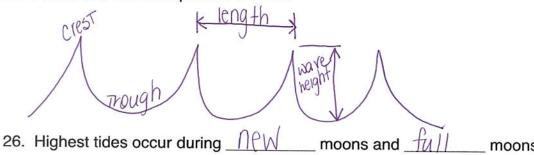
Underwater submarine Alvin-Jason

23. What scientist helped locate the Titanic?

Robert Ballard

24. Wave are caused by _	(A)	11	d	
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25. Name and label the parts of a wave.



- 27. There is MOYC storm damage during high tides.
- 28. Compare and contrast Spring and Neap tides.

 Both occur 2x a month

 Neap at right angles

 Spring line up S—0—E

 29. Name 3 things that cause tides.

60 an Sun Earth's rotation Moon

30. What is El Nino?
Weakening of trade winds increases surface temperature of water decreased upwelling of nutrients along coast of s. America - changes 31. On the map below, identify how the weather changes during an El Nino year.

